

FORM PTO 1390 (REV. 11-2000)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NUMBER 1935-00088
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/019770

INTERNATIONAL APPLICATION NO. PCT/NO00/00116	INTERNATIONAL FILING DATE 11 April 2000	PRIORITY DATE CLAIMED 19 April 1999
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TITLE OF INVENTION
A DEVICE FOR A PAWN AUTOMAT FOR BOTTLES AND BOXES

APPLICANT(S) FOR DO/EO/US
Lars GUNTVEIT; Niels E. ANDERSEN

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
- ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
- ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
- ☒ A English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
- ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
- ☐ A English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
- ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
- ☐ A English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern other document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
- ☒ Other items or information:
 - ☒ Applicant claims small entity status.
 - ☒ Supplement to Transmittal Letter.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/019770	INTERNATIONAL APPLICATION NO. PCT/NO00/00116	ATTORNEY'S DOCKET NUMBER 1935-00088
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21. ☐ The following fees are submitted:

		CALCULATIONS PTO USE ONLY
Basic National Fee (37 CFR 1.492(a)(1)-(5)):		
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....	\$ 1,040.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....	\$ 890.00	
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$ 740.00	
International preliminary examination fee (37 CFR 1.482).paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)..	\$ 710.00	
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims satisfied provisions of PCT Article 33(1)-(4).....	\$ 100.00	
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$1,040.00
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 C.F.R. 1.491(3)).	<input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30	+ 130.00
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total Claims	4 - 20 =	x \$ 18.00
Independent Claims	1 - 3 =	x \$ 84.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$280.00
TOTAL OF ABOVE CALCULATIONS =		\$1,170.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		- 585.00
SUBTOTAL =		\$ 585.00
Processing fee of \$130.00 for furnishing the English Translation later than months from the earliest claimed priority date (37 C.F.R. 1.492(f)).	<input type="checkbox"/> 20 <input type="checkbox"/> 30	+
TOTAL NATIONAL FEE =		\$ 585.00
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property		+
TOTAL FEES ENCLOSED =		\$ 585.00
		Amount to be refunded:
		Charged:

a. ☒ A check in the amount of \$ 585.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01.2000. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:
ANDRUS, SCEALES, STARKE & SAWALL, LLP
100 East Wisconsin Avenue, Suite 1100
Milwaukee, Wisconsin 53202
Phone: (414) 271-7590
Fax: (414) 271-5770

Signature Date 10/19/01

Daniel D. Fetterley
Name
20,323
Reg. No.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/019770	INTERNATIONAL APPLICATION NO. PCT/NO00/00116	ATTORNEY'S DOCKET NUMBER 1935-00088
CERTIFICATE OF EXPRESS MAIL		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as EXPRESS MAIL-POST OFFICE TO ADDRESSEE, in an envelope addressed to: BOX PCT, COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231 on the <u>19th</u> day of October, 2001. Express Mail Label <u>EL812732906US</u> .		
Daniel D. Fetterley	20,323	
Name	Reg. No.	
<u>Daniel D. Fetterley</u>	<u>10/19/01</u>	
Signature	Date	

1004970-0650001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of)	Group Art Unit:
)	
LARS GUNTVEIT ET AL.)	Examiner:
)	
Int'l. Appln. No. PCT/NO00/00116)	A DEVICE FOR A PAWN AUTOMAT FOR
)	BOTTLES AND BOXES
Int'l. Filing Date: 11 April 2000)	

PRELIMINARY AMENDMENT

Milwaukee, Wisconsin 53202
October 19, 2001

Box PCT Application
Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to computing the filing fee in this application, kindly amend the above identified application, as follows. The filing fee is to be computed on the claims, as filed.

In the Abstract:

A clean copy of the Abstract as published is attached. No changes to the Abstract have been made.

In the Specification:

Please add the following paragraph at page 1, between the title and the first line of text as follows:

CROSS REFERENCE TO RELATED APPLICATION

The present application is the U.S. national stage application of International Application PCT/NO00/00116, filed April 11, 2000, which international application was published on November 9, 2000 as International Publication WO 00/67211 in the English language. The International Application claims priority of Norwegian Patent Application 19991853, filed April 19, 1999.

SUMMARY OF THE INVENTION

Before the paragraph beginning at line 16 of page 2 insert the following:

BRIEF DESCRIPTION OF THE INVENTION

Before the paragraph beginning at line 22 of page 3 insert the following:

BRIEF DESCRIPTION OF THE DRAWING

Before the paragraph beginning at line 5 of page 4 insert the following:

DETAILED DESCRIPTION OF THE INVENTION

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

Daniel D. Fetterley
(Reg. No. 20,323)

100 East Wisconsin Avenue, Suite 1100
Milwaukee, Wisconsin 53202
(414) 271-7590
Atty. Docket No. 1935-00088 (C.12013-61)

CERTIFICATE OF EXPRESS MAIL

I hereby certify that this correspondence is being deposited with the United States Postal Service, with sufficient postage, as EXPRESS MAIL - POST OFFICE ADDRESSEE, in an envelope addressed to: Box PCT Application, Commissioner for Patents, Washington, D.C. 20231 on the 19th day of October, 2001. The Express Label is EL812732906US.

Daniel D. Fetterley

20,323

Name

Reg. No.

Daniel D. Fetterley

10/19/01

Signature

Date

Attorney Docket No. 1935-00088

In the specification:

Please add the following paragraph at page 1, between the title and the first line of text as follows:

CROSS REFERENCE TO RELATED APPLICATION

The present application is the U.S. national stage application of International Application PCT/NO00/00116, filed April 11, 2000, which international application was published on November 9, 2000 as International Publication WO 00/67211 in the English language. The International Application claims priority of Norwegian Patent Application 19991853, filed April 19, 1999.

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Before the paragraph beginning at line 22 of page 3 insert the following:

BRIEF DESCRIPTION OF THE DRAWING

Before the paragraph beginning at line 5 of page 4 insert the following:

DETAILED DESCRIPTION OF THE INVENTION

4004979-060106

ABSTRACT OF THE DISCLOSURE

In a reverse vending machine the feed opening (22) in the front cover (14), for bottles and cans, is without a fixed connection to pipework, etc. At the same time, an opening (26) for emptying remnants is formed in the front cover (14), in the form of a bowl, which merges at the back side of the front cover into a drain pipe socket (28) positioned above an upwards open drain channel (30) in the interior of the machine, without a fixed connection between the drain pipe socket (28) and the channel (30). The front cover is possibly lockable and can be opened to the side by means of hinges (24), whereby the interior of the reverse vending machine is uncovered for inspection, maintenance or repair.

10019770.050402

2/PRTS

10/019770

531 Rec'd PCT/PTC 19 OCT 2001

A device for a pawn automat for bottles and boxes.

10019770-050102
This invention relates to reverse vending machines, and more particularly it concerns a device by a reverse vending
5 machine for bottles and/or cans, wherein the machine construction has a front cover, which is formed with a hole therethrough for the bottles and cans, and which covers the mechanisms behind, handling bottles and cans fed through the feed opening; counts the number and types thereof and
10 calculates and supplies the customer, in return, with a note stating the sum due to him/her.

Said bottles and cans accepted by ordinary reverse vending machines, have essentially served as containers for drinks, and it is quite common for them to contain some remaining
15 drops, which desirably should not be brought with the bottle or can into the structure of the reverse vending machine.

Therefore, a sink is often provided near reverse vending machines of this kind, into which sink bottles and cans

containing any remnants of drinks, can be emptied before the bottles and cans are put into the reverse vending machine.

However, it is expensive to install a particular sink at each reverse vending machine. The sink will seldom blend in with the immediate surroundings in the shop, and, although the sink is placed near the reverse vending machine, even a relatively short distance will involve that the emptying of bottles and cans will be considered a separate operation considerably slowing down the bottle depositing process.

Another drawback of reverse vending machines of the kind in question is that the dismantling of the machine construction is relatively complicated, as individual parts have been assembled and secured to one another, so that dismantling will often have to be started from the back side, i.e. opposite the machine's feed opening for bottles and cans.

The purpose of the present invention has therefore been to alleviate or reduce, to a substantial degree, these drawbacks and defects by simple and cheap means.

According to the invention said objectives have been realized in that the reverse vending machine is formed and arranged in accordance with the specifications appearing from the characterizing part of Claim 1.

According to the present invention, near the bottle/can feed opening the front cover of the reverse vending machine is formed with a particular drain opening for remnants, which does not communicate with the fixtures within in the form of joined pipes and pipe bends, the drain opening possibly being provided with a bowl with a freely ending drain pipe socket

at the back, which pipe socket may have its end opening above a fixed drain channel, located within and having an outlet of its own, but being without connection to the front cover.

The drain channel may conveniently be placed under the bottle
5 feed opening as well as the drain opening for remnants, so that also any remnants of drinks from the bottles and cans put through the feed opening, could land in the drain channel and from there into the outlet. Thus, the drain channel with outlet works like a draining device for the entire reverse
10 vending machine construction.

Thus, according to the invention, a more reasonable and convenient positioning of the place for pouring out remnants is achieved, while at the same time the front cover of the machine can be hinged for full uncovering of the internal
15 mechanisms of the reverse vending machine, for example for repair or maintenance purposes. Such a constructional solution, in which the front cover has no connection at all to fixtures in the form of pipe systems etc. is advantageous for repairs on the machine construction. The hinges of the
20 front cover may be dual hinges and the front cover may be provided with a lock device.

A non-limiting example of a preferred embodiment will be explained in the following with reference to the accompanying drawings, in which:

25 Fig. 1 shows a partial view of a wall, into which a reverse vending machine has been installed, represented here by the front cover;

Fig. 2 shows a corresponding split view, in which the same front cover has been pulled straight out from the wall; and

Fig. 3 is a vertical section III-III through the wall and the reverse vending machine on a somewhat larger scale.

5 In the drawings the reference numeral 10 identifies a wall that has a recess 12, e.g. rectangular, therethrough, Fig. 3, which is slightly smaller than a front cover 14 of plastic included in the reverse vending machine 16, of which the apparatus is known and is essentially contained in a housing
10 18, of which a front portion extends partly into the recess 12 of the wall 10, a hole 20 corresponding with the feed opening 22 for bottles and cans, of the front cover 14.

The reverse vending machine's 16 bottle- and can-handling equipment and electronics for calculating the return are well
15 known in connection with such reverse vending machines, and are not objects of the present invention, which essentially concerns the front cover 14.

Below the bottle/can feed opening 22 this front cover 14, which is secured to the wall 10 or directly to the housing 18
20 by means of hinges 24, is provided, according to the invention, with a hole therethrough with an upward open bowl 26 underneath, merging at the rear surface of the front cover 14 into a drain pipe socket 28 at the back. The bowl 26 allows remnants of drinks from bottles and cans to be emptied
25 in the immediate vicinity of the feed opening 22, thereby simplifying the operations, especially when many bottles and/or cans are involved, whereas earlier, with the use of a separate sink, a certain number of bottles first had to be subjected to one type of operation (emptying of remnants),

then the same bottles had to be subjected to the main operation (insertion into the reverse vending machine). Now, each bottle with a remnant can first be emptied and then immediately be inserted into the feed opening 22.

- 5 The feed opening 22 has no communication with the internal apparatus 16, 18 of the reverse vending machine. The same applies to the drain pipe socket 28, whose free end opening is open above a fixed, upward open transversal drain channel 30.
- 10 The drain channel 30 preferably extends horizontally underneath the internal apparatus 16, 18 of the reverse vending machine, so that any type of liquid from bottles and cans, that might be running down in the area behind the front cover, could land in this drain channel 30, which is
- 15 connected to a separate outlet 32. It is of advantage that the front cover 14 has no fixed connection to fixtures, pipes, cables etc., so that it can be opened and possibly lifted off its hinges 24 to uncover the internal mechanisms and apparatus of the reverse vending machine after a possible
- 20 lock device has been unlocked.

10019770-050102

C L A I M S

1. A device by a reverse vending machine for bottles and cans, provided with a feed opening (22) accessible from the outside and through which the bottles and cans are inserted into the reverse vending machine (14,16,18), characterized in that the front portion of the reverse vending machine (14, 16,18) in the form of a cover (14) is formed to be secured independently of the internal bottle-/can-handling device and other apparatus (16,18) of the reverse vending machine, the feed opening (22) of the front cover (14), for bottles and cans, being without a fixed connection to pipework etc. within, and that preferably below said feed opening (22) in the front cover (14) is formed an opening (26) therethrough for the emptying of remnants from bottles or cans before their insertion into the reverse vending machine (14,16,18) through the feed opening (22) of the front cover (14), and a corresponding opening (20) positioned within in the internal bottle-/can-handling device of the reverse vending machine.
2. A device according to claim 1, characterized in that the drain opening (26) of the front cover (14), for remnants, is formed in an upwards open bowl, whose opening at the rear side of the front cover (14) ends in a drain pipe socket (28).
3. A device according to claim 2, characterized in that within the front cover (14), below the outlet opening of the drain pipe socket (28) is arranged a preferably upwards open drain channel (30).

4. A device according to claim 3, characterized in that the drain channel (30) has a generally horizontal extent and is connected to an outlet (32).

10015770-050433



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁷:

G07F 7/06

A1

(11) International Publication Number:

WO 00/67211

(43) International Publication Date:

9 November 2000 (09.11.00)

(21) International Application Number: PCT/NO00/00116

(22) International Filing Date: 11 April 2000 (11.04.00)

(30) Priority Data:

19991853

19 April 1999 (19.04.99)

NO

(71) Applicant (for all designated States except US): REPANT AS
[NO/NO]; Baarsrudveien 2, N-3478 Nærnes (NO).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GUNTVEIT, Lars
[NO/NO]; Nilsemarka 11B, N-1390 Vollen (NO). AN-
DERSEN, Niels, Erik [NO/NO]; Sjøvollbukta 57, N-1390
Vollen (NO).(74) Agent: HÅMSØ PATENTBYRÅ ANS; Eivind Håmsø, Odd
Skjæveland, Gunnar Håmsø, Arnold Østvold, Borge Håmsø,
Jostein Soppeland, Box 171, N-4302 Sandnes (NO).

(81) Designated States: AE, AG, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, DZ, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

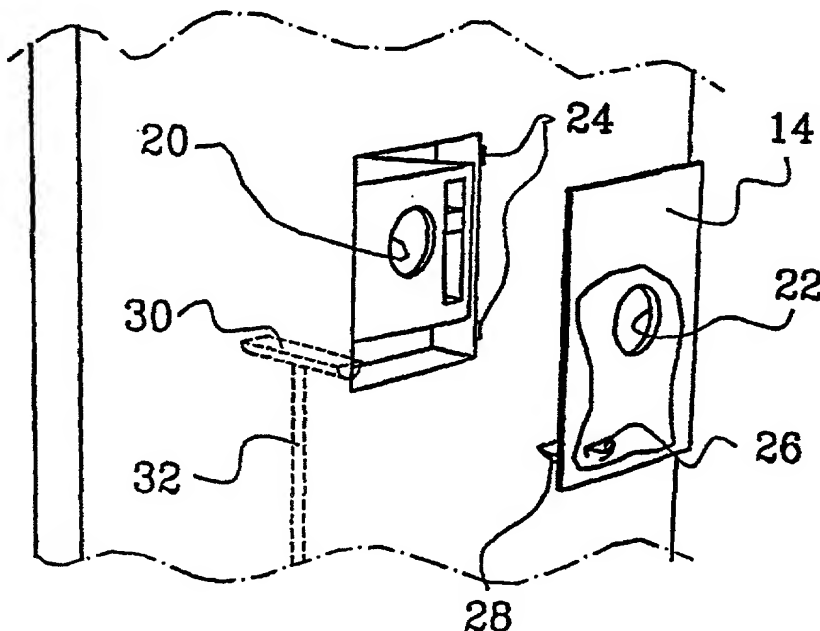
With international search report.

In English translation (filed in Norwegian).

(54) Title: A DEVICE FOR A PAWN AUTOMAT FOR BOTTLES AND BOXES

(57) Abstract

In a reverse vending machine the feed opening (22) in the front cover (14), for bottles and cans, is without a fixed connection to pipework etc. At the same time, an opening (26) for emptying remnants is formed in the front cover (14), in the form of a bowl, which merges at the back side of the front cover into a drain pipe socket (28) positioned above an upwards open drain channel (30) in the interior of the machine, without a fixed connection between the drain pipe socket (28) and the channel (30). The front cover is possibly lockable and can be opened to the side by means of hinges (24), whereby the interior of the reverse vending machine is uncovered for inspection, maintenance or repair.



1/2

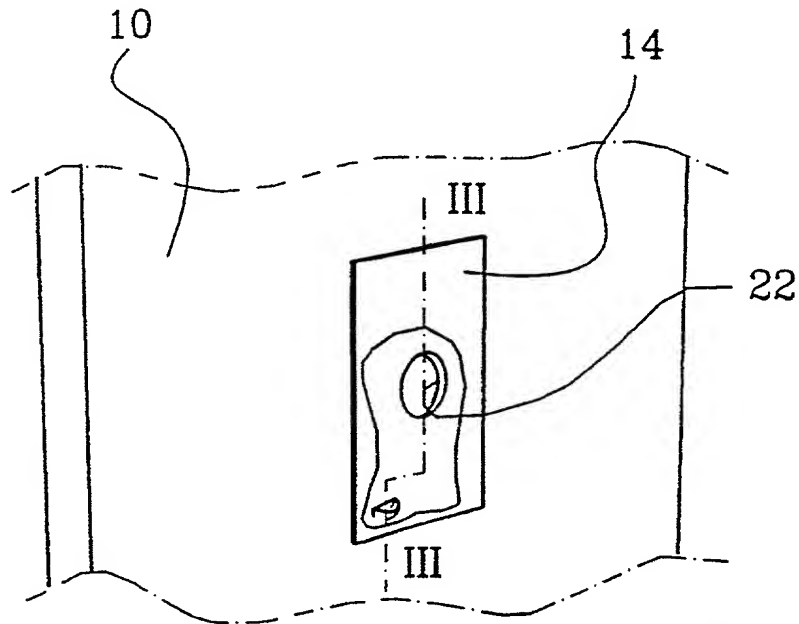


FIG. 1

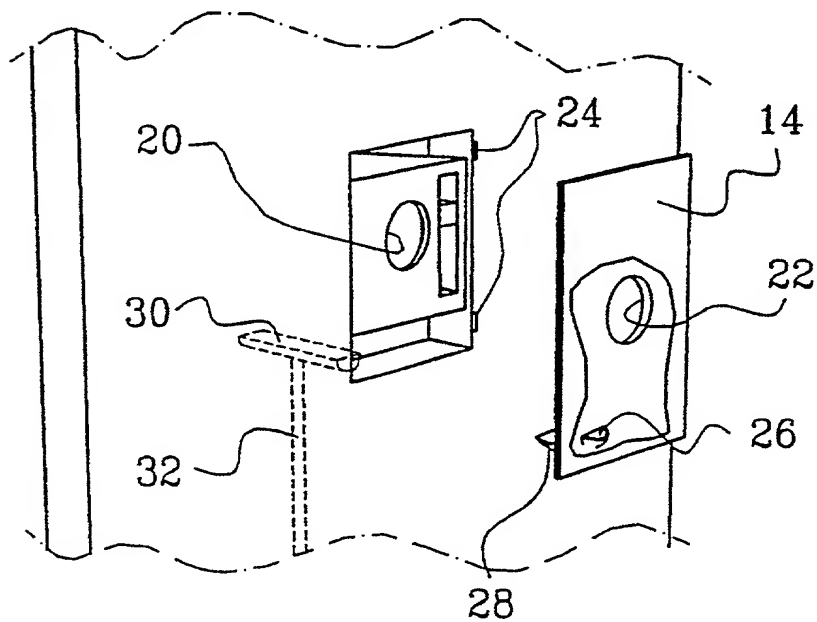


FIG. 2

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2/2

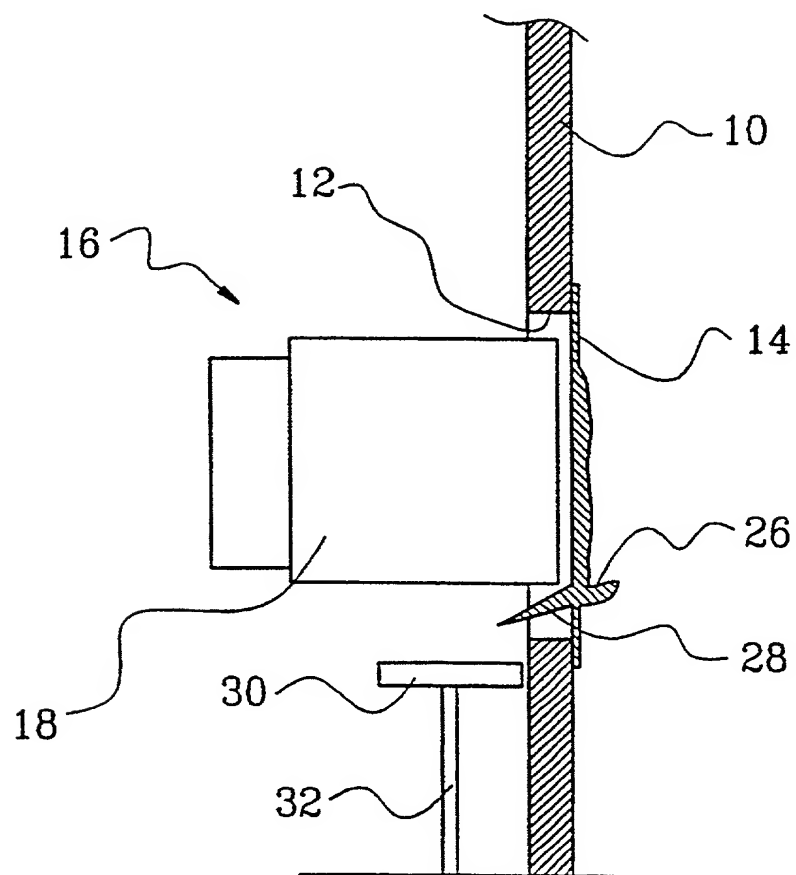


FIG. 3

Type a plus sign (+) inside this box [+]

Approved for use through 9/30/00
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/01 (8/96)	DECLARATION Declaration OR Declaration <input type="checkbox"/> Submitted with <input type="checkbox"/> Submitted after Initial Filing Initial Filing	Attorney Docket Number	1935-00088
		First Named Inventor	Lars Guntveit
		COMPLETE IF KNOWN	
		Application Number	
		Filing Date	
		Group Art Unit	
		Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A DEVICE FOR A PAWN AUTOMAT FOR BOTTLES AND BOXES

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 04/11/2000 as United States Application Number or PCT

International Number PCT/NO00/00116 and was amended on (MM/DD/YYYY)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Copy Attached?	
				YES	NO
19991853	Norway	04/19/1999	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	Additional provisional <input type="checkbox"/> Application numbers are listed on a supplemental priority sheet attached hereto.

Type a plus sign (+) inside this box [+]

DECLARATION

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365© of any PCT international application designated the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States of PCT International application in the manner provided by the first paragraph of Title 35, United States Code §112. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Name	Registration Number	Name	Registration Number
Daniel D. Fetterley	20,323	Joseph D. Kuborn	40,689
George H. Solveson	25,927	William L. Falk	27,709
Gary A. Essmann	29,376		
Thomas M. Wozny	28,922		
Michael E. Taken	28,120		
Joseph J. Jochman, Jr.	25,058		

☐ Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

☒ Please direct all correspondence to: Name Daniel D. Fetterley

Address Andrus, Sceales, Starke & Sawall, LLP

Address 100 East Wisconsin Avenue, Suite 1100

City Milwaukee State Wisconsin Zip 53202-4178

Country United States Telephone (414) 271-7590 Fax (414) 271-5770

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])				Family Name or Surname			
<u>Lars</u>				<u>Guntveit</u>			
Inventor's Signature	<u>Lars Guntveit</u>			Date	<u>7/11-2001</u>		
RESIDENCE: City	<u>Vollen</u>	State	<u>NOR</u>	Country	<u>Norway</u>	Citizenship	<u>Norwegian</u>
POST OFFICE ADDRESS		<u>Nilsemarka 11B</u>					
City	<u>Vollen</u>	State		Zip	<u>N-1390</u>	Country	<u>Norway</u>

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
<u>Niels Erik</u>				<u>Andersen</u>			
Inventor's Signature	<u>Niels Erik Andersen</u>			Date	<u>23 oct 2001</u>		
RESIDENCE: City	<u>Vollen</u>	State	<u>NOR</u>	Country	<u>Norway</u>	Citizenship	<u>Norwegian</u>
POST OFFICE ADDRESS		<u>Sjøvollbukta 57</u>					
City	<u>Vollen</u>	State		Zip	<u>N-1390</u>	Country	<u>Norway</u>
<input type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto.							